

-1- (WPAT)

AN - 99-435138/37

XRPX- N99-324466

TI - Data reproduction method in DVD reproducing apparatus used in internet, digital satellite broadcasting - has control unit which controls operation of switch such that supply of data stream from drive to decoder is restarted when predetermined conditions are fulfilled

DC - P85 T03 W03 W04

PA - (SONY ) SONY CORP

PR - 97.12.10 97JP-340248

NUM - 1 patent(s) 1 country(s)

PN -- JP11176087 A 99.07.02 \* (9937) 12p G11B-020/10

AP -- 97JP-340248 97.12.10

IC1 - G11B-020/10

IC2 - G09C-005/00 H04N-005/91 H04N-007/08 H04N-007/081

AB - JP11176087 A

NOVELTY - A switch control unit (2) controls the operation of a switch (105) which switches ON-OFF of transmission of a data stream. The supply of data stream is cut-off when judged that inaccurate copy of data is performed based on medium variety information detected from recording medium. The supply of data stream is restarted when predetermined conditions are fulfilled. DETAILED DESCRIPTION - A drive (1) reproduces copy control information superimposed to data, from a recording medium (10) and outputs it as a data stream. A decoder (102) decodes the data stream transmitted from the drive. A switch (105) switches ON-OFF of transmission of data stream from the drive to the demodulator. An INDEPENDENT CLAIM is also included for drive.

USE - In DVD reproduction apparatus in internet, digital satellite broadcasting.

ADVANTAGE - Enables to reproduce normal program correctly even when incorrect copy program and normal program are intermingled and recorded in recording medium. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of DVD reproducing apparatus. (1) Drive; (2) Switch control unit; (10) Recording medium; (102) Decoder; (105) Switch. (Dwg.1/6)

FN - WPJ9BR61.GIF

-2- (WPAT)

AN - 99-272625/23

XRPX- N99-204190

TI - Copy protection method of recording and reproducing apparatus - involves recording copy generation management information when it is updated by two generations

DC - T01 T03 W04

PA - (TOKE ) TOSHIBA KK

PR - 97.09.09 97JP-244224

NUM - 1 patent(s) 1 country(s)

PN -- JP11086437 A 99.03.30 \* (9923) 13p G11B-020/10

AP -- 97JP-244224 97.09.09

IC1 - G11B-020/10

IC2 - G11B-020/12 H04N-005/91 H04N-005/92

ICA - G06F-013/00

AB - JP11086437 A

NOVELTY - The copy generation management information (CGMS) is changed into a value showing one generation copy approval, and sets CGMS to '11' and records it. The CGMS which is updated by two generations and shows copy prohibition is also recorded. DETAILED DESCRIPTION - An A/D converter sets up '10' as CCI by which a bit stream recording and reproducing unit records on a record. A recognition unit (12) performs format recognition and records on record based on SCMS.

USE - For protecting video and audio copy in recording and reproducing apparatus.

ADVANTAGE - Even when CGMS and SCMS are used as copy

Best Available Copy

generation management information, a reliable copy control is made possible. The copy control is performed effectively by inserting 2-bit copy control information in data format of data transmitted via network bus. DESCRIPTION OF DRAWING(S) - The figure shows flow chart of copy protection method. (Dwg.1/8)

FN - WPJ5UCX1.GIF

Best Available Copy